



# CITY OF LODI COUNCIL COMMUNICATION

**AGENDA TITLE:** Approve Plans and Specifications and Authorize Advertisement for Bids for White Slough Water Pollution Control Facility Bio-Solids Dewatering Facility Funded with 2007 Bond Proceeds

**MEETING DATE:** March 3, 2010

**PREPARED BY:** Public Works Director

**RECOMMENDED ACTION:** Approve plans and specifications and authorize advertisement for bids for White Slough Water Pollution Control Facility Bio-Solids Dewatering Facility funded with 2007 bond proceeds.

**BACKGROUND INFORMATION:** The City has made substantial progress on the State-mandated improvements at the White Slough Water Pollution Control Facility (WSWPCF). One of the final improvements to be made, as recommended in the 2001 White Slough Master Plan, is the addition of bio-solids dewatering facilities.

As a result of the 2007 Waste Discharge Permit requirements, solids handling at WSWPCF has changed and nitrate levels have significantly reduced in the land-applied effluent and bio-solids. However, WSWPCF has for many years produced more bio-solids (2,500 tons per year) than can be applied to the agricultural fields (1,800 to 2,000 tons per year). Bio-solids storage capacity is limited and the proposed bio-solids dewatering facilities will allow for removal of 500 to 1,000 tons annually that will be hauled to a regional landfill. Additional operational goals include:

- Providing additional bio-solids storage capacity; and
- Providing the capability to remove one bio-solids storage lagoon from service and perform maintenance while the plant remains in operation.

Constructing a bio-solids dewatering and storage facility will assist the City of Lodi in meeting future discharge permit requirements and provide additional bio-solids handling capacities. The structure will consist of dewatering equipment and chemical feed equipment. The dewatering equipment will consist of two skid-mounted rotary fan presses. Appurtenant facilities will include piping, pumps, and covered storage bays for the dewatered sludge.

The WSWPCF Master Plan developed prior to the 2003 Phase I Improvements project anticipated that bio-solids may become an issue during future permit applications and discussed the dewatering facility. Council is being asked to approve the plans and specifications and authorize advertisement for bids for the project. A prequalification process is included to determine eligible bidders and ensure contractors have the necessary experience to perform the work.

APPROVED:   
Blair King, City Manager

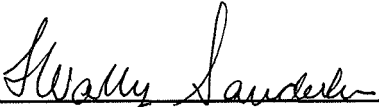
The plans and specifications are on file in the Public Works Department. The planned bid opening date is May 4, 2010.

**FISCAL IMPACT:**

This project will be funded by the Wastewater Fund using the remaining 2007 Certificates of Participation (approximately \$5,100,000). The anticipated annual operations and maintenance costs are expected to be approximately \$200,000, including the costs for off-site transportation and disposal of approximately 900 dry tons of bio-solids each year.

**FUNDING AVAILABLE:**

The project estimate is \$5,100,000, including construction administration services, construction contract, testing and inspection and other project-associated expenses. Appropriation will be requested at the time of contract award.

  
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F. Wally Sandelin  
Public Works Director

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FWS/GW/pmf

cc: Charles Swimley, Deputy Public Works Director  
Del Kerlin, Wastewater Treatment Superintendent